

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P953413

Luminaire Tested: **GALN-SB7A-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7A-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20140 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

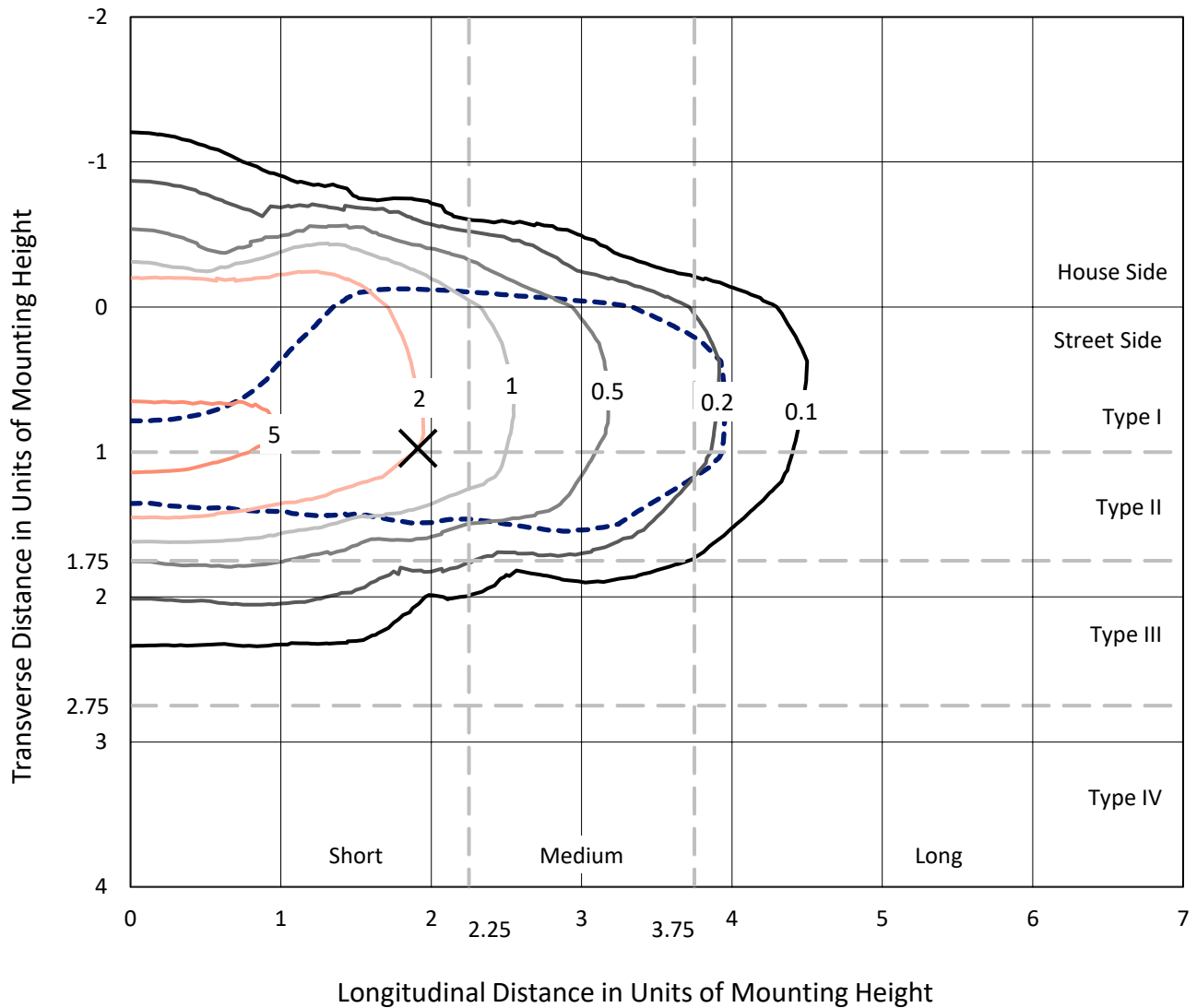
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

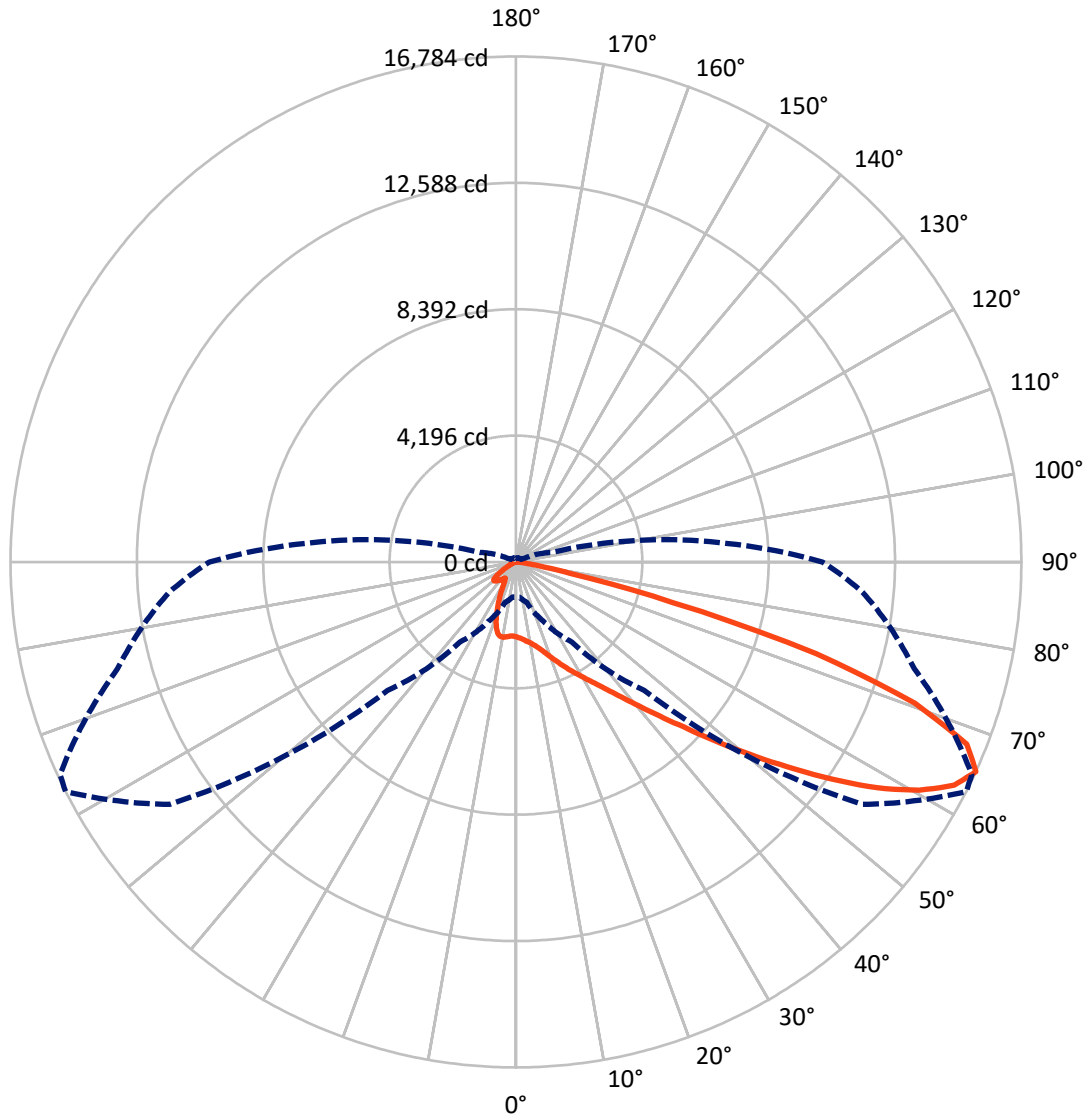
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2960.4	0.0	2960.4
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	17179.6	0.0	17179.6
	% Fixture	85.3	0.0	85.3
Total	Lumens	20140.0	0.0	20140.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.2	1.2
10°-20°	649.8	3.2
20°-30°	1131.5	5.6
30°-40°	2039.4	10.1
40°-50°	4044.7	20.1
50°-60°	5509.6	27.4
60°-70°	4397.7	21.8
70°-80°	1990.1	9.9
80°-90°	143.0	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	20140.0	100.0
0°-180°	20140.0	100.0

Coefficient of Utilization



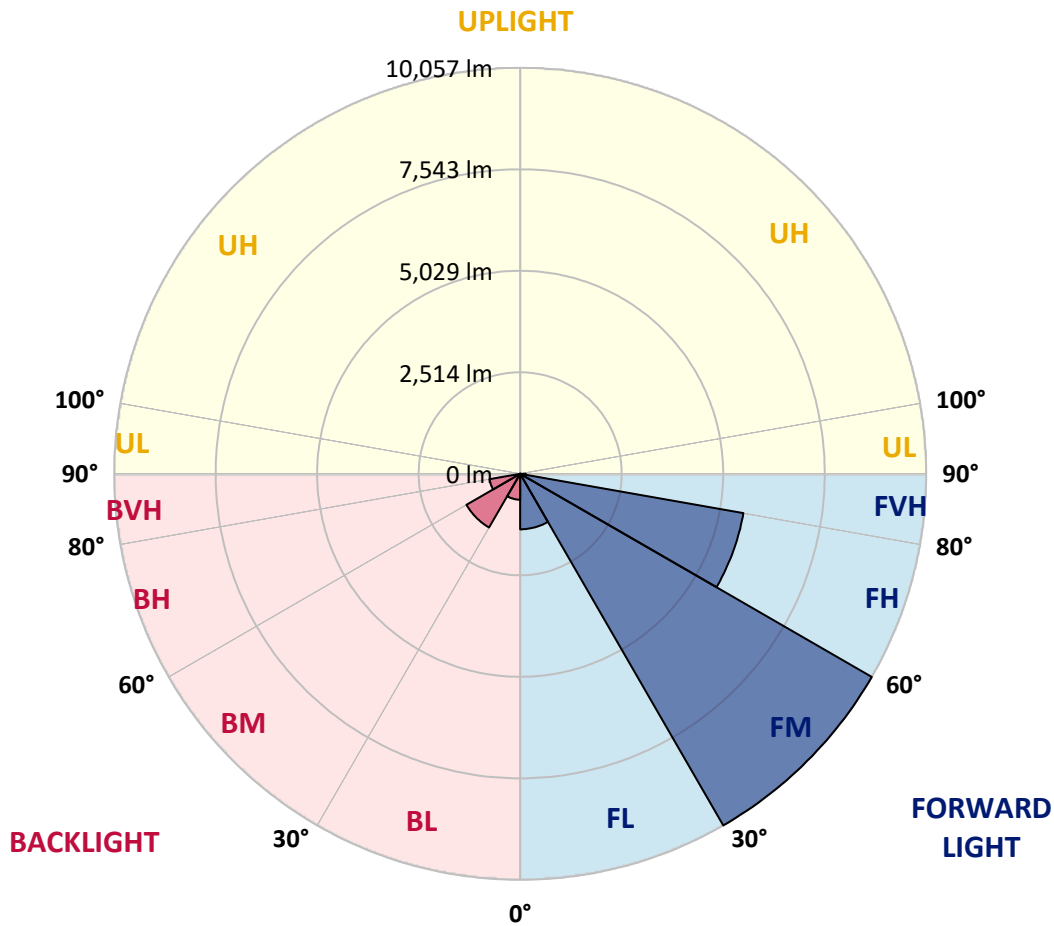
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1374.8	6.8			
FM (30°-60°)	10057.4	49.9			
FH (60°-80°)	5614.9	27.9			G3/7500
FVH (80°-90°)	132.4	0.7			G2/225
BL (0°-30°)	640.7	3.2	B2/1000		
BM (30°-60°)	1536.3	7.6	B2/2500		
BH (60°-80°)	772.9	3.8	B2/1000		G2/1000
BVH (80°-90°)	10.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7
2.5°	2543.8	2536.9	2546.6	2542.5	2539.7	2534.2	2531.4	2528.6	2523.1	2518.9	2502.3
5°	2550.8	2546.6	2556.3	2564.6	2572.9	2581.3	2585.4	2591.0	2585.4	2574.3	2557.7
7.5°	2492.6	2489.8	2510.6	2535.5	2572.9	2604.8	2639.5	2658.8	2660.2	2656.1	2638.1
10°	2488.4	2481.5	2502.3	2532.8	2581.3	2638.1	2699.0	2740.6	2746.1	2764.1	2744.8
12.5°	2553.5	2546.6	2575.7	2609.0	2658.8	2718.4	2793.2	2851.4	2859.8	2884.7	2870.8
15°	2663.0	2653.3	2686.6	2729.5	2793.2	2861.1	2940.1	2992.8	2999.7	3030.2	3005.2
17.5°	2790.5	2780.8	2819.6	2865.3	2934.6	3027.4	3118.8	3177.0	3185.4	3204.8	3159.0
20°	2954.0	2941.5	2972.0	3013.5	3087.0	3197.8	3307.3	3390.4	3389.0	3389.0	3314.2
22.5°	3143.8	3124.4	3150.7	3184.0	3253.2	3387.6	3533.1	3631.5	3631.5	3592.7	3469.4
25°	3347.5	3328.1	3357.2	3387.6	3448.6	3601.0	3771.4	3893.4	3898.9	3832.4	3635.7
27.5°	3602.4	3577.5	3599.6	3635.7	3671.7	3826.9	4029.1	4170.5	4173.2	4070.7	3793.6
30°	4092.9	4022.2	3952.9	3914.1	3930.8	4084.6	4300.7	4457.3	4471.1	4329.8	3965.4
32.5°	4990.7	4976.9	4733.0	4414.3	4248.1	4361.7	4604.1	4792.6	4800.9	4619.4	4188.5
35°	6385.9	6369.3	5977.2	5370.3	4828.6	4733.0	4972.7	5195.8	5190.2	4985.2	4478.1
37.5°	8051.4	8036.1	7519.3	6707.4	5830.3	5294.1	5447.9	5682.1	5716.7	5447.9	4852.2
40°	9474.3	9417.5	9090.5	8307.7	7160.5	6225.2	6124.1	6279.3	6315.3	5996.6	5327.4
42.5°	10552.3	10503.8	10337.5	9848.4	8770.5	7602.5	6920.8	6980.3	7020.5	6638.1	5873.3
45°	11110.6	11099.6	11166.1	11120.3	10410.9	9292.8	8059.7	7811.7	7826.9	7348.9	6492.6
47.5°	11189.6	11184.1	11487.5	11917.0	11821.4	11199.3	9521.4	8848.1	8794.0	8151.1	7166.0
50°	10724.1	10713.0	11294.9	12099.9	12763.6	12801.0	11181.3	10016.1	9896.9	8981.1	7868.5
52.5°	9237.4	9234.6	10190.6	11530.5	13094.7	14203.2	12821.8	11299.1	11099.6	9859.5	8611.1
55°	7107.8	7159.1	8255.0	9838.7	12490.6	14877.9	14294.6	12723.4	12417.2	10743.5	9295.6
57.5°	5035.0	5109.9	6193.4	7603.8	10617.4	14478.9	15290.8	14150.5	13820.7	11624.7	9989.7
60°	2704.6	2771.1	3856.0	5539.4	7899.0	12990.8	15815.9	15389.2	15077.4	12461.5	10616.0
62.5°	1611.4	1633.6	2082.5	3576.1	5342.6	9924.6	15592.9	16332.7	16076.4	13164.0	11160.5
65°	1156.9	1161.1	1386.9	2183.6	3243.5	6029.9	14028.6	16784.4	16705.4	13693.3	11563.7
67.5°	974.0	971.3	1065.5	1450.7	2209.9	3020.5	10751.8	16145.7	16481.0	14028.6	11792.3
70°	835.5	839.6	950.5	1062.7	1661.3	1709.8	5345.4	14057.7	14772.6	14117.3	11778.5
72.5°	622.1	636.0	738.5	968.5	1253.9	1176.3	1845.5	10423.4	11716.1	13301.2	11167.4
75°	439.2	446.1	519.6	814.7	935.2	856.3	942.2	5388.4	7045.5	10197.6	9140.4
77.5°	338.1	350.5	393.5	569.5	921.4	601.3	576.4	1864.9	2865.3	6160.1	6266.8
80°	182.9	205.1	284.0	411.5	647.0	425.4	285.4	742.6	971.3	2880.5	2416.4
82.5°	94.2	105.3	198.1	296.5	368.6	371.3	141.3	309.0	400.4	889.5	331.1
85°	37.4	45.7	133.0	163.5	189.8	182.9	63.7	124.7	144.1	246.6	101.1
87.5°	8.3	13.9	48.5	37.4	36.0	38.8	15.2	29.1	27.7	29.1	18.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7
2.5°	2500.9	2495.4	2480.1	2463.5	2444.1	2433.0	2426.1	2424.7	2415.0	2408.1	2415.0
5°	2542.5	2536.9	2507.8	2473.2	2435.8	2406.7	2379.0	2354.0	2318.0	2311.1	2308.3
7.5°	2625.6	2610.4	2563.2	2516.1	2445.5	2361.0	2258.4	2140.7	2035.4	2003.5	1988.2
10°	2728.1	2707.3	2647.8	2564.6	2408.1	2178.1	1930.1	1700.1	1517.2	1465.9	1446.5
12.5°	2844.5	2826.5	2747.5	2593.7	2251.5	1834.5	1454.8	1169.4	992.0	947.7	935.2
15°	2983.1	2956.7	2847.3	2549.4	1971.6	1393.9	999.0	829.9	766.2	757.9	749.6
17.5°	3129.9	3087.0	2936.0	2390.1	1594.8	990.7	771.7	723.3	695.5	687.2	683.1
20°	3264.3	3208.9	2988.6	2149.0	1191.6	771.7	691.4	659.5	634.6	624.9	619.3
22.5°	3398.7	3319.8	2988.6	1820.6	893.7	684.5	634.6	605.5	576.4	563.9	557.0
25°	3538.7	3433.4	2936.0	1454.8	719.1	627.6	580.5	548.7	523.7	508.5	503.0
27.5°	3674.4	3529.0	2815.4	1108.4	640.1	577.8	530.7	500.2	476.6	465.5	465.5
30°	3803.3	3623.2	2646.4	841.0	588.9	529.3	484.9	458.6	435.1	424.0	425.4
32.5°	3977.9	3742.3	2466.3	690.0	544.5	483.6	443.4	418.4	397.6	389.3	389.3
35°	4220.4	3918.3	2311.1	677.5	507.1	446.1	406.0	382.4	361.6	354.7	354.7
37.5°	4564.0	4202.3	2229.3	760.7	476.6	412.9	375.5	350.5	331.1	325.6	324.2
40°	4987.9	4587.5	2273.7	843.8	455.8	383.8	347.8	322.8	306.2	299.3	297.9
42.5°	5490.9	5062.8	2518.9	907.5	442.0	358.9	321.4	293.7	282.6	279.9	279.9
45°	6068.7	5585.1	2894.4	975.4	419.8	335.3	295.1	274.3	266.0	264.6	263.3
47.5°	6725.4	6158.7	3329.4	1059.9	397.6	313.1	274.3	260.5	253.6	250.8	250.8
50°	7376.6	6736.5	3777.0	1107.0	379.6	292.3	257.7	246.6	241.1	239.7	239.7
52.5°	8058.3	7330.9	4138.6	1062.7	364.4	275.7	243.9	235.5	230.0	228.6	228.6
55°	8708.1	7811.7	4201.0	902.0	333.9	259.1	228.6	224.5	217.5	217.5	216.1
57.5°	9267.9	8052.8	3760.4	662.3	303.4	234.2	213.4	209.2	203.7	202.3	200.9
60°	9781.9	7983.5	2902.7	446.1	270.2	209.2	194.0	191.2	185.7	178.7	177.3
62.5°	10071.5	7678.7	1985.5	291.0	236.9	182.9	171.8	170.4	158.0	144.1	141.3
65°	10180.9	7052.4	1238.7	212.0	198.1	156.6	148.3	145.5	127.5	112.2	110.8
67.5°	10085.3	6021.6	624.9	167.7	156.6	130.2	121.9	121.9	109.5	95.6	94.2
70°	9702.9	4514.1	263.3	134.4	120.5	99.8	99.8	105.3	92.8	77.6	76.2
72.5°	8873.0	3037.1	139.9	102.5	90.1	70.7	81.7	85.9	73.4	58.2	58.2
75°	7053.8	1852.5	97.0	76.2	56.8	49.9	62.3	65.1	49.9	38.8	37.4
77.5°	4824.4	1064.1	65.1	48.5	36.0	29.1	43.0	40.2	26.3	18.0	19.4
80°	2118.5	443.4	37.4	22.2	13.9	11.1	15.2	11.1	8.3	5.5	5.5
82.5°	248.0	103.9	13.9	8.3	5.5	2.8	1.4	0.0	0.0	0.0	0.0
85°	51.3	12.5	6.9	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.7	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)